

ABSTRACT

A method for detecting a low rigid force and a device therefor are provided in that even a large impact force is applied, by integrating an impact absorbing unit with the force detection mechanism, a force detection mechanism may not be damaged.

To that end, between a pair of substrates 2a and 2b opposing each other and undergoing displacement in a direction changing the space between them by an impact force applied thereto, at least one absorption detection mechanism 3 integrally including an impact absorbing unit 4 and a force detecting unit 5 is interposed, so that a force applied between both the substrates 2a and 2b is detected by the force detecting unit 5 while an impact force applied between both the substrates 2a and 2b being absorbed by an elastic force of the impact absorbing unit 4.